Table 1. Ecological analysis of the preferred alternative marine reserve network for the Channel Islands National Marine Sanctuary and Alternatives 1-5.

Ecological Criteria	Preferred Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5
Reserve Size (mi^2)	**369.6 (25%)**	**186.5 (12%)**	**213.1 (14%)**	**306.5 (21%)**	**450.1 (29%)**	**516.4 (34%)**
1. Sandy Coast (mi)	**13.8 (32%)**	**7.7 (18%)**	**7.2 (17%)**	**6.6 (15%)**	**13.9 (32%)**	**13.8 (32%)**
2. Rocky Coast (protected) (mi)	**19.8 (34%)**	**7.6 (12%)**	**5.3 (9%)**	**8.2 (13%)**	**16.8 (28%)**	**22.4 (37%)**
3. Rocky Coast (exposed) (mi)	**13.3 (31%)**	**7.6 (18%)**	**8.9 (21%)**	**8.7 (21%)**	**12.8 (30%)**	**13.3 (31%)**
4. Soft Sediment (0-30 m) (nmi^2)	**28.6 (34%)**	**9.1 (11%)**	**8.6 (10%)**	**11.0 (13%)**	**19.9 (23%)**	**22.6 (27%)**
5. Hard Sediment (0-30 m) (nmi^2)	**13.5 (28%)**	**5.9 (12%)**	**6.7 (14%)**	**5.9 (12%)**	**11.8 (24%)**	**13.9 (29%)**
6. Soft Sediment (30-100 m) (nmi^2)	**99.3 (30%)**	**60.5 (18%)**	**52.2 (16%)**	**62.1 (19%)**	**95.3 (29%)**	**98.5 (30%)**
7. Hard Sediment (30-100 m) (nmi^2)	**7.9 (21%)**	**8.4 (22%)**	**5 (13%)**	**7.7 (21%)**	**9.2 (25%)**	**9.9 (27%)**
8. Soft Sediment (100-200 m) (nmi^2)	**71.9 (29%)**	**27.1 (11%)**	**28.6 (12%)**	**66.1 (27%)**	**87.1 (35%)**	**84.6 (34%)**
9. Hard Sediment (100-200 m) (nmi^2)	-	-	-	-	-	-
10. Soft Sediment (>200 m) (nmi^2)	**134.9 (24%)**	**41.9 (7%)**	**44.9 (8%)**	**49.9 (9%)**	**93.9 (17%)**	**135 (24%)**
11. Hard Sediment (>200 m) (nmi^2)	-	-	-	-	-	-
12. Emergent Rocks (nearshore) (no.)	**169 (33%)**	**62 (12%)**	**89 (17%)**	**66 (13%)**	**172 (33%)**	**175 (34%)**
13. Emergent Rocks (offshore) (nmi^2)	**11 (28%)**	**3 (8%)**	**9 (23%)**	**10 (25%)**	**12 (30%)**	**12 (30%)**
14. Submarine Canyons (nmi^2)	**12 (33%)**	**15 (41%)**	**12 (33%)**	**15 (41%)**	**15 (41%)**	**12 (33%)**
15. Kelp Forest (nmi^2)	**5.1 (21%)**	**2.6 (11%)**	**3.2 (13%)**	**3.8 (16%)**	**5.8 (24%)**	**5.8 (24%)**
16. Eelgrass (nmi^2)	**0.2 (35%)**	**0.2 (35%)**	**0.14 (23%)**	**0.2 (35%)**	**0.3 (53%)**	**0.3 (53%)**
17. Surfgrass (nmi^2)	**6.4 (28%)**	**3.3 (14%)**	**3.7 (16%)**	**3.9 (17%)**	**6.2 (26%)**	**6.6 (29%)**

Table 2. Sizes of alternative marine reserve network proposals for the Channel Islands National Marine Sanctuary under consideration by the California Fish and Game Commission. The numbers of square miles within the proposed reserve networks (and the corresponding percentages of the study area) are listed for Phases I and II.

Alternatives	Phase I	Phase II	Total
Preferred Alternative	173.2 (12%)	196.4 (13%)	369.6 (**25%**)
Alternative 1	91.0 (6%)	95.5 (6%)	186.5 (**12%**)
Alternative 2	95.3 (6%)	117.8 (8%)	213.1 (**14%**)
Alternative 3	117.3 (8%)	189.2 (13%)	306.5 (**21%**)
Alternative 4	158.3 (10%)	291.8 (19%)	450.1 (**29%**)
Alternative 5	180.9 (12%)	335.5 (22%)	516.4 (**34%**)